Title (en)
   COGNITIVE LOAD DRIVING ASSISTANT

Title (de)
   KOGNITIVE-LAST-FAHRASSISTENT

Title (fr)
   AIDE À LA CONDUITE AU CONTRÔLE D'UNE CHARGE COGNITIVE

Publication
   EP 3936363 A1 20220112 (EN)

Application
   EP 21193247 A 20160111

Priority
   • US 201562102434 P 20150112
   • EP 16706029 A 20160111
   • US 2016012908 W 20160111

Abstract (en)
   In one embodiment, a method for managing cognitive load while driving is disclosed. The method comprises: computing a first cognitive load associated with a first driver based on data received via one or more sensors, wherein the first driver and the one or more sensors are associated with a first vehicle; receiving a second cognitive load that is associated with a second driver of a second vehicle; and, in response to the second cognitive load, modifying a driving task or a secondary task that may distract the first driver.

IPC 8 full level
   B60K 28/02 (2006.01); **B60K 28/06** (2006.01); **B60W 50/14** (2020.01); **G01C 21/36** (2006.01)

CPC (source: EP US)
   A61B 3/112 (2013.01 - US); **A61B 5/0205** (2013.01 - US); **A61B 5/18** (2013.01 - US); **A61B 5/4064** (2013.01 - US); **A61B 5/6893** (2013.01 - US);
   B60K 28/02 (2013.01 - EP); **B60K 28/06** (2013.01 - EP); **B60K 28/066** (2013.01 - EP); **B60K 35/28** (2024.01 - EP); **B60K 35/29** (2024.01 - EP);
   B60K 35/65 (2024.01 - EP); **B60K 35/85** (2024.01 - EP); **B60W 50/0098** (2013.01 - US); **G01C 21/36** (2013.01 - EP US);
   G01C 21/3602 (2013.01 - EP US); **G01C 21/3617** (2013.01 - US); **G08G 1/096827** (2013.01 - US); **G08G 1/096833** (2013.01 - US);
   A61B 5/02438 (2013.01 - US); A61B 5/0531 (2013.01 - US); B60K 35/28 (2024.01 - US); B60K 35/29 (2024.01 - US); B60K 35/65 (2024.01 - US);
   B60K 35/85 (2024.01 - US); B60K 2360/164 (2024.01 - EP US); B60K 2360/166 (2024.01 - EP US); B60K 2360/167 (2024.01 - EP US);
   B60K 2360/168 (2024.01 - EP US); B60K 2360/178 (2024.01 - EP US); B60K 2360/195 (2024.01 - EP US); B60K 2360/197 (2024.01 - EP US);
   B60K 2360/48 (2024.01 - EP US); B60K 2360/5915 (2024.01 - EP US); B60K 2360/592 (2024.01 - EP US); B60W 50/14 (2013.01 - US);
   B60W 2050/146 (2013.01 - EP US); B60W 2420/403 (2013.01 - US); B60W 2540/21 (2020.02 - US); B60W 2540/22 (2013.01 - EP US);
   G08G 1/04 (2013.01 - US); G08G 1/096855 (2013.01 - US); G08G 1/167 (2013.01 - US)

Citation (search report)
   • [XAI] US 2007219672 A1 20070920 - FEHR WALTON L [US], et al
   • [X] US 2012077471 A1 20120329 - HAYASHI KEISAKU [JP], et al
   • [X] US 2005192730 A1 20050901 - CHURCHILL BARBARA J [US], et al

Designated contracting state (EPC)
   AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
   WO 2016115053 A1 20160721; EP 3245093 A1 20171122; EP 3245093 B1 20210901; EP 3936363 A1 20220112; US 10399575 B2 20190903;
   US 2018009442 A1 20180111

DOCDB simple family (application)
   US 2016012908 W 20160111; EP 16706029 A 20160111; EP 21193247 A 20160111; US 201615541458 A 20160111